

**REMARKS**

Claims 1 and 3-11 are pending in this application. By this Amendment, the specification is amended to correct minor typographical errors. Claim 1 is amended to incorporate the subject matter of claim 2, and claim 2 is cancelled without prejudice to or disclaimer of the subject matter recited therein. Claims 3 and 9 are amended to correct their dependency due to the cancellation of claim 2. Claim 11 is added. No new matter is added.

**I. Specification**

Although not objected to, the specification is amended to correct minor typographical errors at paragraphs [0051], [0059] and [0060].

**II. Allowable Subject Matter**

The indication of allowable subject matter in claims 3, 6, 7 and 10 is appreciated, they being allowable if rewritten in independent form to include all of the features of their base claim and any intervening claims. Claims 3, 6, 7 and 10, as well as the remaining pending claims are in condition for allowance for the reasons discussed below.

**III. Claim Rejections Under 35 U.S.C. §102**

Claims 1, 2, 4, 5, 8 and 9 are rejected under 35 U.S.C. §102(e) as anticipated by U.S. Patent 6,866,359 to Pan et al. (Pan). As claim 2 is cancelled, the rejection of that claim is moot. The rejection of claims 1, 4, 5, 8 and 9 is respectfully traversed.

Pan fails to disclose each and every feature recited in the rejected claims. For example, Pan fails to disclose an electronic device including a controlled part, comprising a first housing that includes the controlled part and a non-volatile first storage medium, the first storage medium stores control information regarding the controlled part; and a controller that is detachable from the first housing, reads the control information from the first storage medium when attached to the first housing and controls the controlled part based on the read control information, wherein the first housing includes a mechanical module and a drive

source that provides a drive force to the mechanical module, and the controlled part is a driver circuit board of the drive source, as recited in amended claim 1.

It is alleged in the Office Action that the processor 52 shown in Pan corresponds to the controller recited in the rejected claims. Specifically, it is alleged that the processor 52 is provided on the printer (i.e., the second housing), which is detachable from the first housing (i.e., the ink cartridge). However, this interpretation is inconsistent with the recitation of the rejected claims. Rather, as clearly recited in the claims, the controller is detachable from the first housing. In contrast, the processor 52 is not part of the first housing (the ink cartridge 44 as shown in Fig. 4). Furthermore, in Pan, the ink cartridge is removable from the printer. The processor 52 is clearly disposed in the printer (second housing). Therefore, because it is not attached to the first housing, the processor is not detachable from the first housing as it is not part of the first housing. Rather, as clearly shown in Fig. 1 of Pan, the processor 52 is external to the printhead cartridge 44 and only communicates with the printhead cartridge via the communication link 82 that runs between the memory element 78 and the processor 52 when the cartridge 44 is installed in the ink jet printer (see col. 6, lines 35-38). Furthermore, the processor 52 is defined as being integral with the ink jet printer 54 and therefore is not attached to or attachable to the ink cartridge 44 that is alleged to correspond to the first housing.

Moreover, it is alleged that Pan discloses the first housing including a mechanical module and a drive source that provide a drive force to the mechanical module (previously recited in cancelled claim 2 and now recited in claim 1). Specifically, the mechanical module recited in the claim is alleged to correspond to the piezoelectric actuators shown in Pan. However, it is also alleged in the Office Action that those same piezoelectric elements correspond to the controlled part as recited in claim 1. Thus, alleging the controlled part and the mechanical module to each correspond to the piezoelectric element in an ink cartridge

printhead fails because the piezoelectric elements cannot correspond to both of the recited features.

Additionally, recitation of an additional element of amended claim 1 is conspicuously absent from the rejection. Specifically, there is no reference to the recitation of "the controlled part is a driver circuit board of the drive source." Furthermore, the alleged controlled part, i.e., the piezoelectric actuator, is not a driver circuit board of the drive source.

Finally, because the cartridge (first housing) of Pan does not have a driver circuit board as the controlled part, all of Pan fails to disclose the features of claim 1. Thus, the claim interpretation as proposed in the Office Action does not allow for the rejection of claim 1 under 35 U.S.C. §102. Additionally, as an anticipation rejection requires the reference to disclose each and every element in the claims, failure to demonstrate that Pan discloses the missing element previously recited in claim 2 renders the rejection of the subject matter of that claim improper.

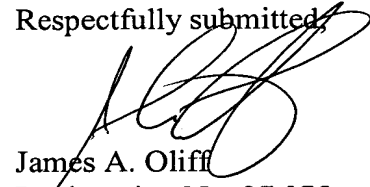
For at least these reasons, claims 1, 2, 4, 5, 8 and 9 are not anticipated by Pan. Therefore, withdrawal of the rejection of claims 1, 2, 4, 5, 8 and 9 under 35 U.S.C. §102(e) is respectfully requested.

#### **IV. Conclusion**

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:  
Petition for Extension of Time

Date: December 9, 2005

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